

Attorney's Docket No.: 10448 / MPI98-129CP2RCE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gregory J. LaRosa et al.

Art Unit

Unknown

Serial No.

09/497,625

Examiner

Unknown

Filed .

February 3, 2000

Title

HUMANIZED ANTI-CCR2 ANTIBODIES AND METHODS OF USE THEREFOR

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) MILLENNIUM PHARMACEUTICALS, INC., a corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

- X A chain of title from the inventors of the patent application identified above, to the current assignee as shown below.
- 1. From the inventors to Millennium Pharmaceuticals, Inc. recorded in the Patent and Trademark Office at Reel 011196, Frame 0894 on October 23, 2000.
- 2. From the inventors to Medical Research Council Technology recorded in the Patent and Trademark Office at Reel 011196, Frame 0853 on October 23, 2000.
- From Medical Research Council Technology to Millennium Pharmaceuticals, Inc. recorded in the Patent and Trademark Office at Reel 011199, Frame 0876 on October 23, 2000.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date-of Deposit

Typed or Printed Name of Person Signing Certificate

Applicant: Gregory J. LaRosa et al.

Serial No.: 09/497,625

Filed : February 3, 2000

Page

: 2 of 2

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Laurie Butler Lawrence

Reg. No. 46,593

Louis Myers

Reg. No. 36,965

Leda I. Trivinos

Attorney's Docket No.: 10448 / MPI98-129CP2RCE

Reg. No. 50,635

all of: FISH & RICHARDSON P.C.

225 Franklin Street Boston, MA 02110-2804

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

PTO Customer Number: 26161

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

JEAN M. SILVERI

Title: Associate General Counsel

Fish & Richardson P.C.

225 Franklin Street

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Facsimile: (617) 542-8906

20792091.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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the specification	on of which (check one)	r.							
[] is atta	is attached hereto.								
[X] was fi	led on February 3, 2000 as U								
Numb	er or PCT International Applica	ation No. 09/497,625							
and w	as amended on	(if applicable).							
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I ackn defined in 37 C		formation which is known by me to	be ma	terial to	o pat	entab	ility	as	
for patent or in country other to any foreign app	ventor's certificate or 365(a) of han the United States of Americ	its under 35 U.S.C. 119(a)-(d) or 365 any PCT international application was, listed below and have also identified the certificate, or of any PCT international internatio	/hich d fied be	lesigna low, by	ted a y che	it leas ecking	t one	box,	
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I hereby claim	the benefit under 35 U.S.C. §11	19(e) of any United States provision	al appl	ication	(s) li	isted 1	belov	v.	
(Application N	umber)	(Filing Date)							
(Application N	umber)	(Filing Date)							

09/359.193	July 22, 1999	Pending
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
09/121,781	July 23, 1998	Pending
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
As a named inventor, I he Hamilton, Brook, Smith & Reyn Customer No. 21005,	reby appoint the attorneys arolds, P.C., Two Militia Driv	nd/or agents associated with ve, Lexington, Massachusetts 02421-4799
and		
to prosecute this application and to	transact all business in the I	Patent and Trademark Office connected therewith.
Please send correspondence to	o:	
[X] Customer No.	21005 HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-47	MITH & REYNOLDS, P.C.
or		
[] Address as follows:		
Direct telephone calls to:	Helen E. Wendler, Esq.	Telephone No.: 781-861-6240
Direct facsimiles to:	Helen E. Wendler, Esq.	Facsimile No.: 781-861-9540
•		
made on information and belief are	e believed to be true; and fur- lents and the like so made are ited States Code and that suc	own knowledge are true and that all statements ther that these statements were made with the e punishable by fine or imprisonment, or both, under h willful false statements may jeopardize the validity
Full name of sole		
or first inventor <u>Gregor</u>	J. LaRosa	
Inventor's Signature	1/2/	Date 06/29/00
Residence 16 Alar	neda Road 327 Luco lu	ward St. Sal
	oxbury, Massachusetts 0213	2-02468
Citizenship U.S.A.		
Post Office Address same as	above	

Full name of second joi	int	
	Christopher Horvath	
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	
Citizenship	U.S.A.	
Post Office Address	same as above	
Full name of third joint		
inventor, if any	Walter Newman	1/22/22
Inventor's Signature	Wale plusia	Date $6/29/00$
Residence	3 Durham Street, #3	•
	Boston, Massachusetts 02115	
Citizenship	U.S.A.	
	same as above	→
Full name of fourth join	nt	
<u>*</u>	S. Tarran Jones	
	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
	British	
	same as above	
Full name of fifth joint		
	Siobhan H. O'Brien	Date
Inventor's Signature		
Residence		
	Finchley, London, UK N33NA	
-	Irish	
	same as above	
Full name of sixth joint	:	
inventor, if any	Theresa O'Keefe	
Inventor's Signature	Then O Thef	Date 6/29/00
Residence	61 Parkers Lane	
	Waltham, Massachusetts 02453	
Citizenship	U.S.A.	
Post Office Address	same as above	

::ODMA\MHODMA\IMANAGE;135021;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	HUMAN	JIZED ANTI-CCR	2 ANTIBOD	IES AND METHOL	OS OF US	E THE	REF	<u>OR</u>			
the spe	cification of which	(check one)			· · · · · · · · · · · · · · · · · · ·						
[]	is attached hereto.										
[X]	was filed on February 3, 2000 as United States Application										
_	Number or PCT International Application No. 09/497,625										
		l on									
includi	I hereby state that ng the claims, as an	t I have reviewed ar nended by any ame	nd understand ndment refer	I the contents of the red to above.	above-ide	ntified	spec	ificat	tion,		
defined	I acknowledge the 1 in 37 C.F.R. §1.56	e duty to disclose in	nformation w	hich is known by m	e to be ma	terial t	o pat	entab	ility	as	
country any for	ent or inventor's cer y other than the Uni- eign application for	reign priority benef tificate or 365(a) of ted States of Ameri patent or inventor' lication on which pr	f any PCT int ca, listed belons certificate, riority is claim	ernational applications and have also id or of any PCT intended:	on which on the control of the contr	lesigna low, b plicati	ted a	t leas cking aving	t one g the a fil	box,	
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(Numb	er)	(Country)	(Day/	Month/Year filed)	[]	[]	[]	
(Numb	er)	(Country)	(Day/	Month/Year filed)	[]	[]	[]	
I hereb	y claim the benefit	under 35 U.S.C. §1	19(e) of any	United States provis	sional appl	ication	ı(s) li	isted l	belov	v.	
(Applie	cation Number)		(Filin	ng Date)		-w	-				
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09/359,193		July 22, 1999	Pending
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(Application Serial No.)	1	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)
As a named inv Hamilton, Brook, Smit Customer No. 2100	:h & Reyno	eby appoint the attorneys an lds, P.C., Two Militia Driv	nd/or agents associated with re, Lexington, Massachusetts 02421-4799
and			,
to prosecute this applica	tion and to	transact all business in the P	atent and Trademark Office connected therewith.
Please send corresp	ondence to	:	
[X] Customer No.		21005 HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-479	MITH & REYNOLDS, P.C.
or		Deanigion, MAN 02421 17.	
[] Address as foll	ows:		
Direct telephor	ne calls to: _	Helen E. Wendler, Esq.	Telephone No.: 781-861-6240
Direct facsimil	es to:	Helen E. Wendler, Esq.	Facsimile No.: 781-861-9540
made on information an	id belief are false statem of the Uni	believed to be true; and furteents and the like so made are ted States Code and that suc	own knowledge are true and that all statements ther that these statements were made with the punishable by fine or imprisonment, or both, under h willful false statements may jeopardize the validity
Full name of sole			
or first inventor	Gregory	J. LaRosa	
Inventor's Signature			Date
Residence	16 Alam	neda Road	
	West Ro	exbury, Massachusetts 0213	2
Citizenship	U.S.A.		
-		above	

Full name of second joint		
inventor, if any	Christopher Horvath	
Inventor's Signature		Date
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	
Citizenship	U.S.A.	
Post Office Address	same as above	
Full name of third joint		
•	Walter Newman	
		Date
	—— :	
• —		
Full name of fourth joint		
•		
	S. Tattan Jones	Date 19/6/00
Inventor's Signature		Date 1100
	1 Christ Church Crescent	
	same as above	
Full name of fifth joint		
inventor, if any	Siobhan H. O'Brien	
Inventor's Signature	Siblian or Bren	Date 6/6/00
Residence	66 Stanhope Avenue, Basement Flat	39 DORSET MEWS.
	Finchley, London, UK N33NA	FINCHLEY, LONDON, UK N3 28
Citizenship		,
	same as above	
Full name of sixth joint		
inventor, if any	Theresa O'Keefe	
		Date
	61 Parkers Lane	
residence	Waltham, Massachusetts 02453	
Citiganahi-		
-		
	same as above	

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2011/00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Substitute Declaration for Patent Application

COPY FOR CONTINUING APPLICATION

As a named inventor, I hereby declare that:

(Application Number)

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled HUMANIZED ANTI-CCR2 ANTIBODIES AND METHODS OF USE THEREFOR the specification of which (check one) []is attached hereto. [X] was filed on February 3, 2000 as United States Application Number or PCT International Application No. and was amended on ____ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) Priority Certified Not Copy Filed? Claimed YES NO [] (Day/Month/Year filed) (Number) (Country) [] (Number) (Country) (Day/Month/Year filed) (Country) (Day/Month/Year filed) (Number) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. (Application Number) (Filing Date)

(Filing Date)

09/359,193		July 22, 1999	Pending
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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	th & Reyno		nd/or agents associated with ive, Lexington, Massachusetts 02421-4799
and			,
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Please send corresp	ondence to	:	
[X] Customer No.		21005 HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-47	SMITH & REYNOLDS, P.C.
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Direct telephor	ne calls to:	Helen E. Wendler, Esq.	Telephone No.: 781-861-6240
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on information and belice that willful false statements	ef are believents and the United State	red to be true; and further the like so made are punishable is Code and that such willfu	own knowledge are true and that all statements made not these statements were made with the knowledge by fine or imprisonment, or both, under Section l false statements may jeopardize the validity of the
Full name of sole			
or first inventor	Gregory	J. LaRosa	······································
Inventor's Signature	24	J-fac	Date //24/01
Residence	325 Wo	odward Street	
	Newton,	Massachusetts 02468	
Citizenship	U.S.A.		
Post Office Address	same as	above	

Full name of second join	it .	
inventor, if any	Christopher Horvath	
Inventor's Signature		Date
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	
Citizenship	U.S.A.	
	same as above	
Full name of third joint		
•	Walter Newman	•
	3 Durham Street, #3	
	Boston, Massachusetts 02115 U.S.A.	
	same as above	
Full name of fourth joint		
inventor, if any	S. Tarran Jones	
Inventor's Signature		Date
Residence	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
Citizenship	British	
Post Office Address	same as above	
Full name of fifth joint		
inventor, if any		

	66 Stanhope Avenue, Basement Flat	
	Finchley, London, UK N33NA	
Citizenship		
	same as above	
Full name of sixth joint		
_	Theresa O'Keefe	
	61 Parkers Lane	
	Waltham, Massachusetts 02453	
	U.S.A.	
::ODMA\MHODMA\iM	anage;135021;1	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

COPY FOR CONTINUING APPLICATION

As a named inventor, I hereby declare that:

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HUMANIZED ANTI-CCR2 ANTIBODIES AND METHODS OF USE THEREFOR

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country any for	ent or inventor's certing other than the Unite	ficate or 365(a) of d States of Americ patent or inventor's	its under 35 U.S.C. 119(a)-(d) or 365 any PCT international application wea, listed below and have also identify a certificate, or of any PCT international receiptions is claimed:	hich d	esignat low, by	ted a	t least cking	tone the l	box,	
		Prior Foreign Application(s)		Priority Not Claimed		Certif Copy F YES		Filed		
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(Numb	per)	(Country)	(Day/Month/Year filed)	_ []	[]	[]	
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I hereb	by claim the benefit u	nder 35 U.S.C. §1	19(e) of any United States provisions	al appli	ication	(s) li	sted b	elow	/.	
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As a named in Hamilton, Brook, Smi	th & Reyn	reby appoint the attorneys an olds, P.C., Two Militia Driv	d/or agents associated with e, Lexington, Massachusetts 02421-4799
and		AND THE RESERVE TO TH	
to prosecute this applica	ation and to	transact all business in the P	atent and Trademark Office connected therewith.
Please send corresp	ondence to	o:	
[X] Customer No.		21005	MITTI O DEVINOI DE D.C.
or		HAMILTON, BROOK, St Two Militia Drive Lexington, MA 02421-479	
or [] Address as foll	lows:	Two Militia Drive	
[] Address as foll		Two Militia Drive	
[] Address as followed Direct telephone	ne calls to:	Two Militia Drive Lexington, MA 02421-479	99
Direct telephon Direct facsimil I hereby declar on information and belithat willful false statemen	ne calls to: les to: re that all st ef are belie ents and the United State	Helen E. Wendler, Esq. Helen E. Wendler, Esq. Helen E. Wendler, Esq. atements made herein of my eved to be true; and further that is like so made are punishable es Code and that such willful	Telephone No.: 781-861-6240
Direct telephon Direct facsimil I hereby declar on information and belithat willful false statemed 1001 of Title 18 of the	ne calls to: les to: re that all st ef are belie ents and the United State	Helen E. Wendler, Esq. Helen E. Wendler, Esq. Helen E. Wendler, Esq. atements made herein of my eved to be true; and further that is like so made are punishable es Code and that such willful	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section
Direct telephon Direct facsimil I hereby declar on information and belithat willful false statemed application or any pater	ne calls to: les to: re that all st ef are belie ents and the United State at issued the	Helen E. Wendler, Esq. Helen E. Wendler, Esq. Helen E. Wendler, Esq. atements made herein of my eved to be true; and further that is like so made are punishable es Code and that such willful ereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section
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Full name of second joint	t .	
inventor, if any	Christopher Horvath	
Inventor's Signature	Client plan Hour om	Date _9/29/00
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	
Citizenship	U.S.A.	
Post Office Address	same as above	
Full name of third joint		
inventor, if any	Walter Newman	
Inventor's Signature		Date
Residence	3 Durham Street, #3	
	Boston, Massachusetts 02115	
Citizenship	U.S.A.	
Post Office Address	same as above	
·		
Full name of fourth joint		
inventor, if any	S. Tarran Jones	
Inventor's Signature		Date
	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
Citizenship	British	
Post Office Address	same as above	
Full name of fifth joint		
inventor, if any	Siobhan H. O'Brien	
Inventor's Signature		Date
Residence	66 Stanhope Avenue, Basement Flat	
•	Finchley, London, UK N33NA	
Citizenship	Irish ·	
Post Office Address	same as above	
Full name of sixth joint		
inventor, if any	Theresa O'Keefe	
Inventor's Signature		Date
Residence	61 Parkers Lane	
	Waltham, Massachusetts 02453	
Citizenship	U.S.A.	
Post Office Address	came as above	

FAX NO. 6173549318 FAX NO. 1 978 341 0136

P. 02

DOCKET NO. 1855.1052-004__

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY FOR CONTINUING **APPLICATION**

Reclaration for Patent Application

[X] Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

(Country)

(Nember)

	My residence, m	miling address and citix	enship are as stated next to my n	anie;					
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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